



Compact Document Scanner

DR-2080C

STARTUP MANUAL



Read this manual thoroughly before using this scanner.
Keep this manual in a safe place for future reference.

International ENERGY STAR® Office Equipment Program



As an ENERGY STAR partner, Canon Electronics Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

The International ENERGY STAR Office Equipment Program is an international program that promotes energy saving through the use of computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, fax machines, copiers and Scanners. Their standards and logos are uniform among the participating nations.

FCC REGULATIONS (For 120V models)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

RADIO INTERFERENCE REGULATIONS (For 120V models)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry Canada.

RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE (For 120V models)

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques", NMB-003 édictée par l'Industrie Canada.

Für EMVG

Dieses Produkt ist zum Gebrauch im Wohnbereich, Geschäfts-und Gewerbebereich sowie in Kleinbetrieben vorgesehen.

MODEL NAMES

Model DR-2080C is identical to model M11044.

Model DR-2080C is the sales name of model M11044.

READ CAREFULLY BEFORE OPENING THE SEALED DISK PACKAGE

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Preface

Thank you for purchasing the Canon DR-2080C scanner. Be sure to read this manual thoroughly before using the scanner in order to ensure that you fully understand how to use the scanner correctly. After you have read this manual, retain it for future reference.

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The information given in these Operating Instructions is subject to change without notice.

Notational Conventions

The symbols and indications used in this manual are explained below.
Familiarize yourself with these symbols and their meanings before reading this manual.

“(→ page 12)”

Means “Refer to page 12 for more details.”



WARNING

This indicates a matter in which failure to follow proper procedure could result in loss of life or serious injury. In order to ensure safe operation, always observe these warnings.



CAUTION

This indicates a matter in which failure to follow proper procedure could result in serious injury or property damage. In order to ensure safe operation, always observe these cautions.

► Notice

This indicates important information regarding the operation of the unit that must be observed. Always read these items in order to prevent damage to the unit or physical injury.

► Note

This indicates supplemental information concerning the operation of the unit. Reading these notes is recommended.

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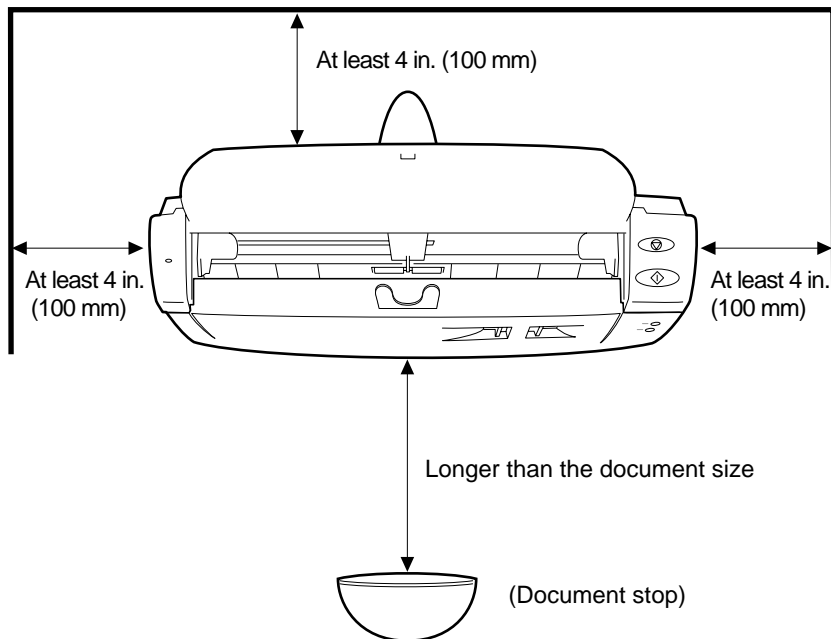
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Before Using the Unit

To Ensure Safe Operation

In order to ensure safe operation, be certain to read the cautions described below.

Installation Location



The performance of this unit is affected by the environment in which it is installed. Make sure that the location where the unit is installed meets the following environmental requirements.

- Do not setup the unit on a non-slip surface that may affect document output.
- Provide adequate space around the unit (as indicated in the above diagram) for operation, maintenance and ventilation purposes.
- Avoid locations exposed to direct sunlight. If the unit must be placed in such a spot, hang a heavy curtain, etc., to shade the unit.
- Avoid dusty locations. Dust can get inside of the unit and cause problems.
- Avoid warm or humid locations, such as in the vicinity of a water faucet, water heater, humidifier, etc., and avoid locations where there fumes from ammonia, paint thinner, etc., may be present.

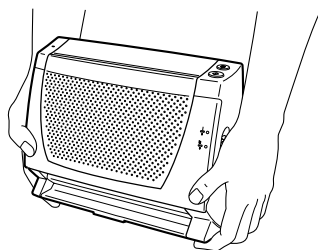
-
- Avoid unstable surfaces and locations subject to vibration.
 - Avoid locations that are subject to rapid temperature changes.
Condensation inside of the unit can result in inferior image quality. Use this unit under the following environmental conditions:
Temperature: 10 degree C to 32.5 degree C
Humidity: 20% to 80% RH
 - Avoid locating the unit near equipment that generates electromagnetic fields, including speakers, televisions, and radios.

About the AC adapter

- Connect only to a power outlet of the rated voltage and power supply frequency. (Either 120 V, 60 Hz or 220-240 V, 50/60 Hz depending on your region.)
- Do not connect to power outlets with other electrical devices. Also, when connecting via an extension cord, check the amperage rating.
- Disassembling and/or reassembling the AC adapter is extremely dangerous and should not be attempted under any circumstances.
- Do not place heavy objects on the AC adapter or power cord. Do not place the adapter or cords in an area where they are likely to be stepped on.
- Do not use the power cord while it is still bundled.
- Never pull directly on the power cord. To remove the plug from the outlet, grasp the plug directly and remove.
- Keep the area around the power plug clear of articles so that the power plug can be disconnected in an emergency.
- Use only the AC adapter provided with the product. Also, do not use the scanner's AC adapter with any other product.
120 V Model: MH3-2053 or MG1-3607
220-240 V Model: MH3-2054 or MG1-3607
- If unclear about the AC adapter, see your product dealer or the service department for further information.

Moving the Scanner

- To avoid dropping or damaging the scanner, always carry it with two hands. The scanner weighs approximately 2.3 kilograms.
- Make sure to disconnect the interface cable and AC adapter. If the scanner is transported with these items plugged in, the plugs and connectors may be damaged due to physical shock or concussion.



Notes on Normal Handling



WARNING

To avoid fire and electric shock, always observe the following warnings when using this unit.

- Do not place flammable chemicals, such as alcohol or paint thinner, near the unit.
- Do not cut, damage, or modify the power cord. Do not place heavy objects on the power cord, do not pull on the power cord, and do not bend the power cord sharply.
- Do not plug in or unplug the power cord with wet hands.
- Do not use multi-outlet adapters to connect multiple devices to one outlet.
- Do not tie up or bundle the power cord. Push the plug in as far as it will go when plugging in the power cord.
- Only use the AC adapter and the power cord that was provided with this unit.
- Do not attempt to disassemble or modify this unit.
- Disassembling or reassembling of the AC adapter is extremely dangerous and should not be attempted under any circumstances.
- Do not use flammable sprays near this unit.
- Always turn the unit off and unplug the power cord before cleaning this unit.
- To clean this unit, dampen a cloth in a mild detergent solution and then wring the cloth out thoroughly. Do not use flammable liquids to clean the unit, including alcohol, benzene, or paint thinner.
- If the unit ever makes a strange noise, emits smoke or a strange odor, or becomes hot, or if the unit does not operate at all even though the power is on, immediately turn the unit off and unplug the power cord. Contact your dealer or service representative to have the unit serviced.
- Do not drop, kick, or otherwise strike the unit. If the unit does somehow become damaged, immediately turn the unit off and unplug the power cord. Contact your dealer or service representative to have the unit serviced.
- Always turn the unit off and unplug the power cord before moving this unit.

CAUTION

- Do not set the unit up on a wobbly platform, a sloped surface, or any other type of unstable location. Do not set up the unit in a location that is subject to vibration. The unit could injure someone if it falls or tips over.
- Do not block the ventilation openings. Doing so could cause the unit to overheat, creating a risk of fire.
- Do not place paper clips, staples, necklaces or any other metallic objects on top of the unit. Liquids or small metallic objects that get inside of the unit create a risk of fire or electric shock. If such foreign matter does get inside of the unit, unplug the power cord immediately, and then contact your dealer or service representative for assistance.
- Do not set up the unit in a dusty or humid location. Doing so creates a risk of fire or electric shock.
- Do not place objects on top of the unit. The object could injure someone if it falls or tips over.
- To prevent any risk of fire or electric shock, be sure that the power source meets the power requirements of the unit.
- When unplugging the power cord, always grasp the plug. Pulling on the cord itself could expose or break the wires in the power cord, damaging the cord and creating a risk of fire or electric shock.
- In order to allow you to easily unplug the power cord at any time, do not place other objects around the power outlet. Such obstacles could prevent you from unplugging the power cord quickly in an emergency.
- Do not spill liquids or flammable chemicals (such as alcohol, paint thinner, or benzene) on the unit. Doing so creates a risk of fire or electric shock.
- If the unit will not be used for an extended period of time, unplug the power cord for safety's sake.
- When operating this unit, avoid wearing loose-fitting clothing, dangling jewelry, or other material that could get pulled into the unit. Injury could result. Be especially careful if you are wearing a necktie or have long hair. In the event that some article or clothing does get caught in the unit, turn the power off immediately.
- Be careful when placing paper in the unit and when removing jammed paper. It is possible to cut your hand on the edge of a sheet of paper.

Notes Concerning Disposal

CAUTION

Always follow the appropriate municipal by-laws or consult your service center when disposing of the scanner or the AC adapter.

Features of the DR-2080C

The main features of the DR-2080C scanner are listed below.

■ **Compact size**

The scanner is extremely compact, 11.7W x 8.2H x 3.9D in. (298W x 209H x 99D mm). Further, because the DR-2080C is an upright scanner, it does not take up a lot of space.

■ **SCSI/USB2.0 Interface supported**

The scanner is equipped with both SCSI and Hi-Speed USB 2.0 interface to be connected to a personal computer.

■ **Color/Grayscale support**

Documents can be scanned in 24-bit color or 256-level grayscale.

■ **Supports a variety of scanning modes***

The scanner supports the following scanning modes, depending on the document type:

- Single-sided/double-sided mode
- Single-sheet/continuous feed

■ **Automatic document size detection***

The scanner automatically detects the size of a scanned document and eliminates any unnecessary space around the edges of the document when storing it, even when storing a document of irregular size.

■ **High durability**

The scanner has high durability of 500,000 scans at maximum.

■ **Folio scan**

A folio (folded in half) document can be set for scanning as it is and the scanned images of both sides are put together in a page.

■ **Dropout color**

The scanner is equipped with a “dropout color” function that allows you to specify a color for the scanner to omit from scanned images. (This correction is made by the ISIS/TWAIN driver.)

■ **Deskew**

The deskew function automatically straightens an image if the document was loaded askew. (This correction is made by the ISIS/TWAIN driver.)

■ **Text enhanced mode**

The scanner is equipped with a “text enhanced” mode that allows you to clearly scan text printed on a dark background, and text that is written in faint pencil. (This function is implemented by the ISIS/TWAIN driver.)

* Available when using applications that support these functions.

■ **“Skip blank page” function**

The scanner is equipped with a “skip blank page” function that allows it to scan a document regardless of whether every page is double-sided or single-sided. (This function is implemented by the ISIS/TWAIN driver.)

■ **Pre-scan function**

The scanner is equipped with a pre-scan function that allows you to adjust the contrast and brightness of a pre-scanned image and then sends the adjusted image to the application software, without needing to scan the document again. (This function is implemented by the ISIS/TWAIN driver.)

■ **Auto Start**

The scanner is equipped with an auto start function that automatically initiates scanning when a document is placed in the document feed port. (This function is implemented by the ISIS/TWAIN driver.)

■ **Compatible with carbonless duplicating paper**

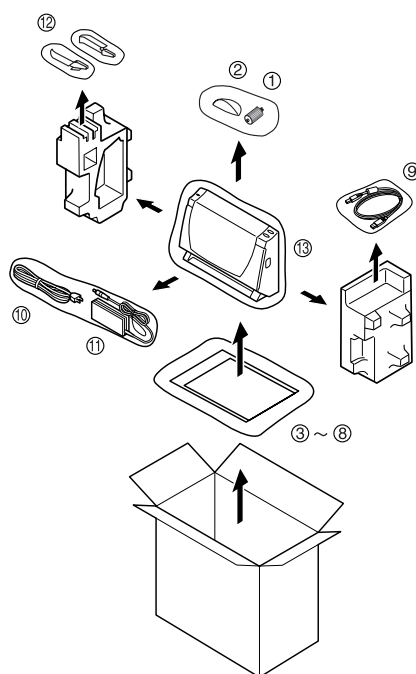
The scanner is able to scan carbonless duplicating paper.

■ **Power-saving feature**

The scanner has a power-saving feature that puts the scanner in low-power mode after it has been idle for a certain period of time.

Checking the Packing List

The contents of the carton in which this unit is shipped are described below. If anything is missing or damaged, contact your dealer or service representative.



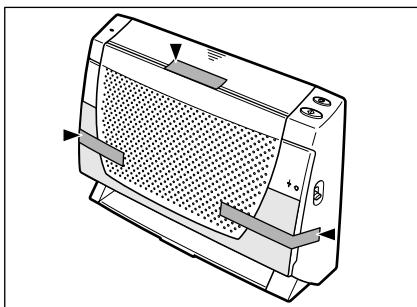
- ① Feed roller ② Document stop ③ Setup disc (CD-ROM)
④ Startup manual (this manual) ⑤ Adjustment sheet
⑥ Quick Reference Guide ⑦ Software license agreement
⑧ Warranty card (U.S.A. and Canada only) ⑨ USB cable
⑩ Power cord ⑪ AC adapter (120V Model : MH3-2053 or MG1-3607,
220-240V Model: MH3-2054 or MG1-3607)
⑫ Paper side guide adapter ⑬ Scanner

- Adjustment (shading adjustment) sheets are inserted at the last page of this manual. Be sure to keep them with care to prevent loss.
- The packed contents of the carton are subject to change without notice.
- Keep the carton and the packing material for future use if it is ever necessary to store or transport the unit.

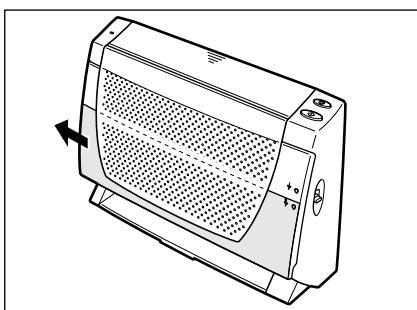
Removing Protective Tape and Protective Sheet

Before using the scanner, remove the protective tape and protective sheet that protect the unit from damage during shipment.

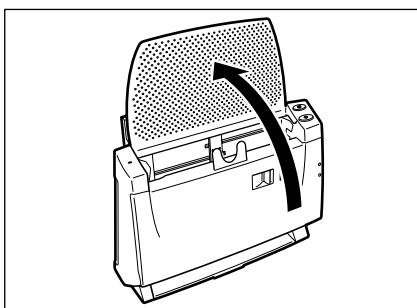
1. Remove the protective tape that is attached to the exterior of the unit.



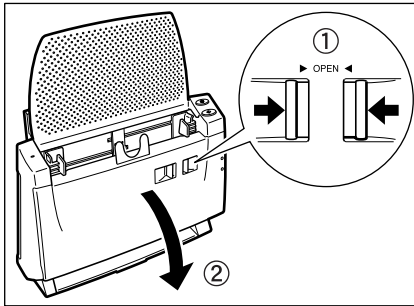
2. Remove the protective sheet from between the paper feed tray and the scanner.



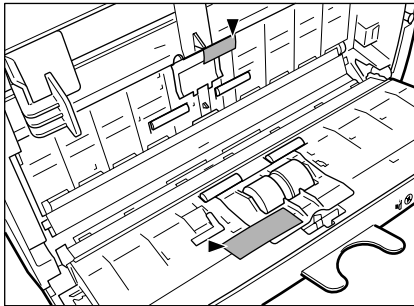
3. Lift the edge of the paper feed tray to open it.



-
- 4.** While squeezing the OPEN release (①), open the front unit towards you (②).



- 5.** Remove the protective tape pasted on the inside of the scanner.



Names and Functions of Parts

This section explains the name and function of each part. Familiarize yourself with the parts before connecting the scanner.

■ Front and right views

Top cover

Open this cover to set your document.

Power indicator

This lights when you turn on the scanner.

Paper feed tray

Open this cover if the document is protruding from the document feed opening.

Document eject opening

Scanned documents are ejected from here.

Stop key

Press this key to stop the document scanning.

Start key

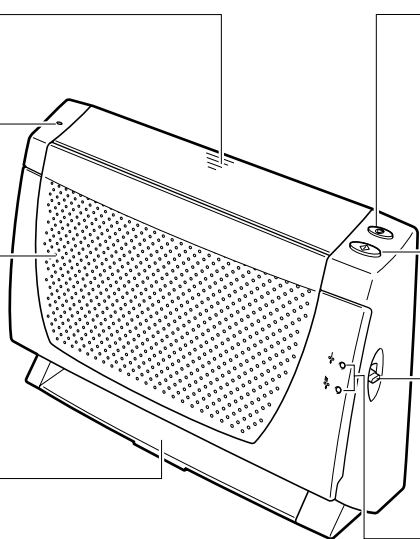
Press this key to start the document scanning.

Feed selection lever

Sets the feeding method of documents. To feed the sheets of a multi-page document individually, set the lever in the down position (page separation mode). To feed all the sheets of a non-separable multi-page document, set the lever in the up position to bypass separation. (bypass mode).

Feed indicator

This shows the position of the feed selection lever.



■ Front view (with top cover and paper feed cover open)

Paper feed extension plate

Pull this out if the document falls forward.

Document positioning mark

Align the paper side guides with this mark according to the size of the document to be scanned.

Front unit

Document stop

To prevent ejected documents from scattering, set this in a position apart from the document eject opening by at least the length of the document.

Paper side guide adapters

Set these adapters into the paper side guides if paper skews during feeding.

Document feed opening

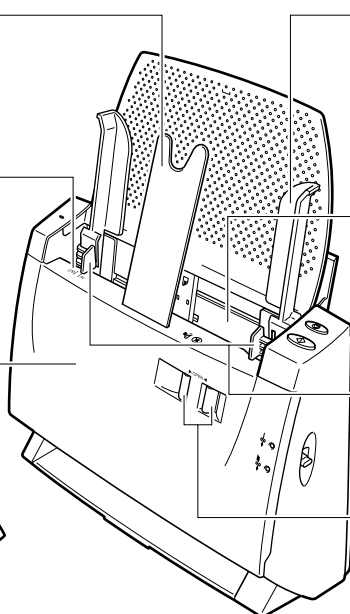
Set the document that you want to scan here.

Paper side guides

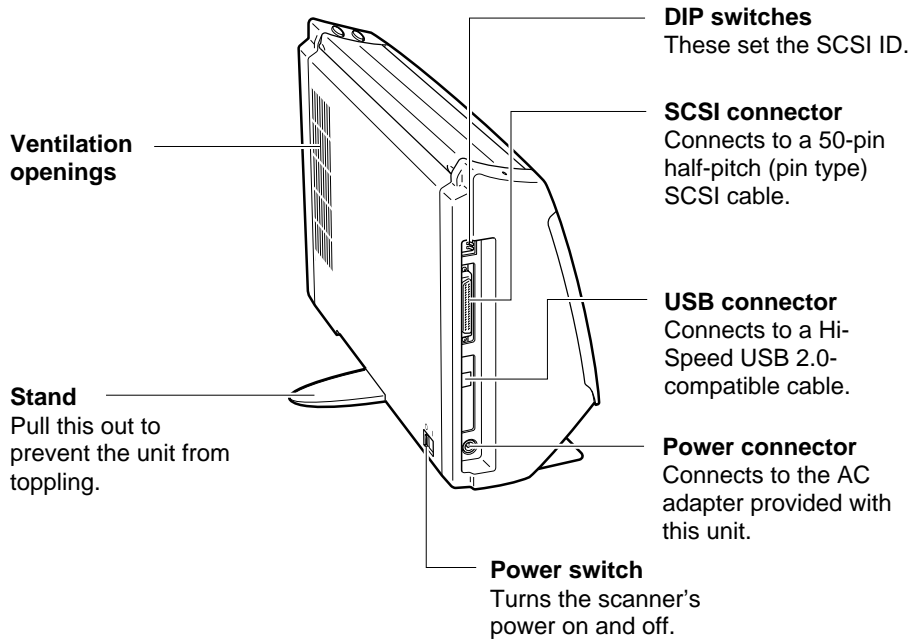
Adjust these to the width of the document.

OPEN release

Use this to open the front unit.



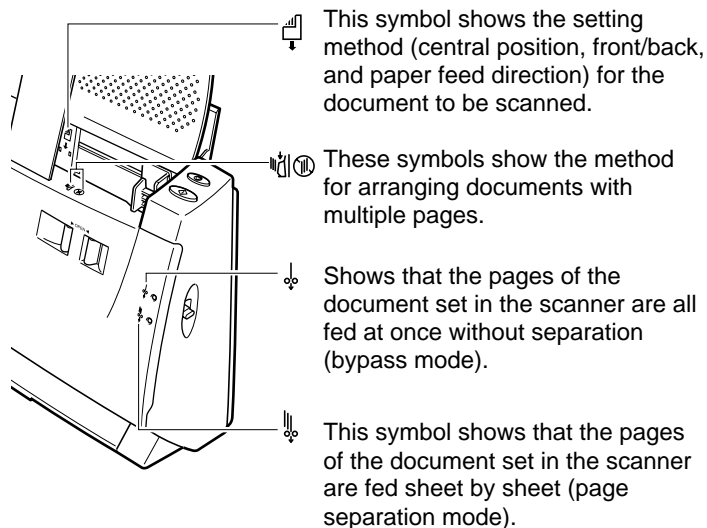
■ Rear and left views



CAUTION

Do not block the ventilation openings. Doing so could cause the unit to overheat, creating a risk of fire.

■ Symbols Used in This Guide

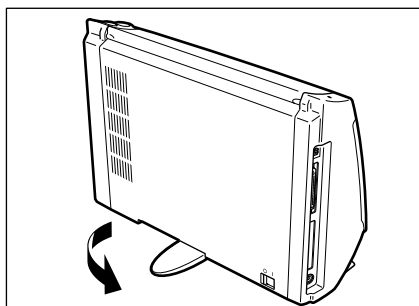


Installing the Scanner

Before Setting Up the Scanner

Extending the stand

Extend the stand located at the rear of the unit to prevent it from toppling.



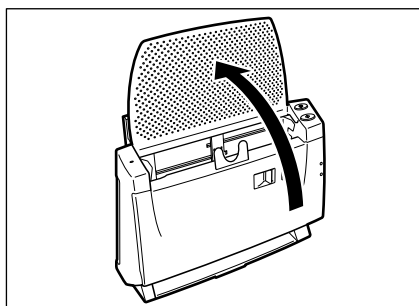
► **Notice**

Make sure that you use the unit with the stand extended. If you do not use the stand, the unit may topple and be damaged.

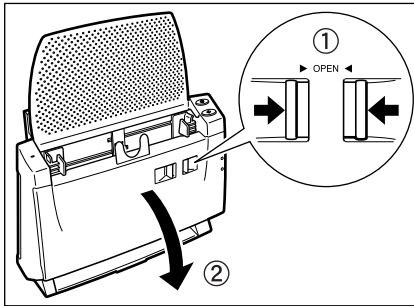
Installing the Feed Roller

Open the front unit and install the provided feed roller.

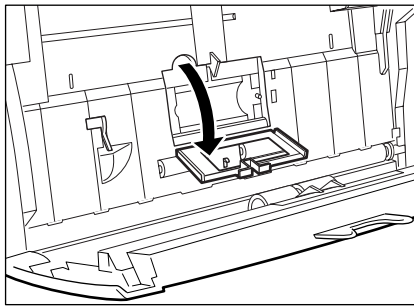
1. Lift the edge of the paper feed tray to open it.



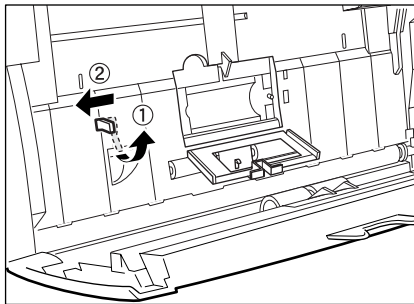
-
- 2.** While squeezing the OPEN release (①), open the front unit towards you (②).



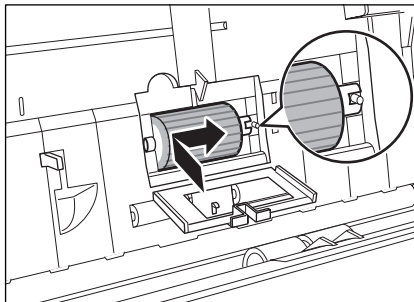
- 3.** Open the roller cover inside the scanner. To open the cover, set your finger in the groove and lift.



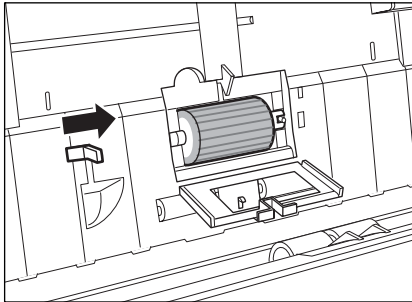
- 4.** Raise the roller lock lever (①), and slide it in the direction of the arrow (②).



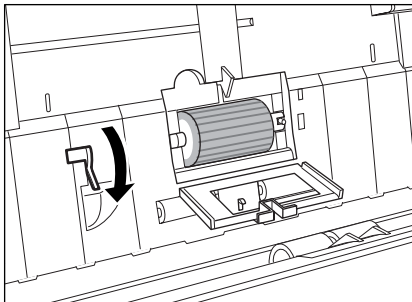
- 5.** Insert the feed roller into the groove inside the roller cover, and align the notch in the roller with the spindle in the front unit.



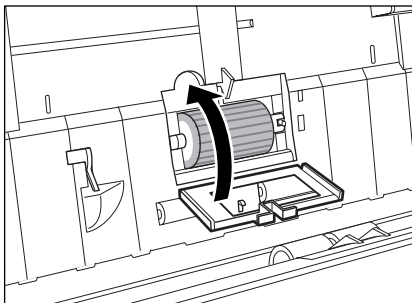
-
- 6.** Slide the roller lock lever to the right, and set it into the hollow to the left of the roller.



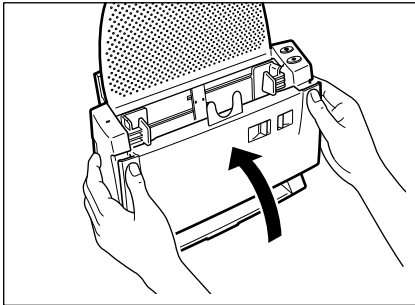
- 7.** Lower the lever to fasten the feed roller spindle.



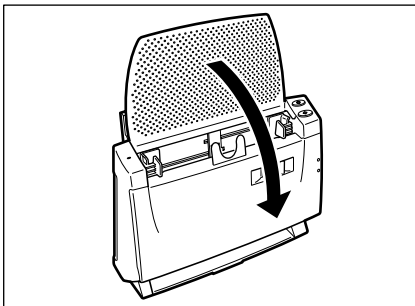
- 8.** Close the roller cover. Make sure that the cover clicks into place and is returned to its original position.



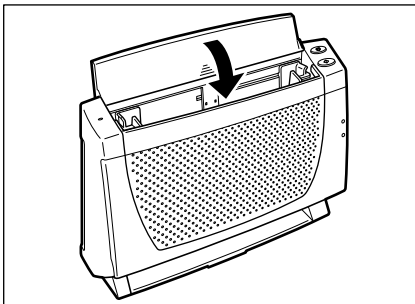
-
- 9.** Gently press the upper left and right edges of the front unit. Make sure that the cover clicks into place and is returned to its original position.



- 10.** Close the paper feed tray.



- 11.** Close the top cover.



Installation Requirements

In order to use the DR-2080C, your computer must satisfy the following system requirements:

- IBM PC/AT-compatible that satisfies the following specifications:
 - Intel Celeron 733MHz or faster
 - Main memory: 256 MB or more (recommended)
 - Hard disc space: 400 MB or more
- SCSI board or USB 2.0 interface board that supports the scanner (→ page 23 “Interface Board”)
- Display that is capable of resolution of 1024 x 768 (XGA) or better (recommended)
- One of the following operating systems, running normally:

Connecting via SCSI

- Microsoft Windows 95
- Microsoft Windows 98/98SE
- Microsoft Windows Me
- Microsoft Windows NT 4.0 Workstation
- Microsoft Windows 2000 Professional SP4
- Microsoft Windows XP

Connecting via USB2.0

- Microsoft Windows 98SE
- Microsoft Windows Me
- Microsoft Windows 2000 Professional SP4
- Microsoft Windows XP
- ISIS-compatible or TWAIN-compatible application software that runs normally under your operating system

► Notice

- If you are connecting the scanner via USB 2.0 interface, be sure to use an updated version of the USB 2.0 driver. For details on the updated driver, contact your dealer.
- If your CPU, memory or SCSI board does not meet the recommended specifications, you may experience problems such as slow scanning speed.

► Note

- Be sure to allocate sufficient virtual memory.
- Use the SCSI board provided a SCSI board recommended for use with the unit.
- After checking the shape of the connectors on the computer connected to the unit and SCSI device, use the SCSI cable provided purchase a SCSI cable with the right combination of connectors. (→ page 23)

-
- The USB cable you are using should be the one originally bundled with the scanner or a Hi-Speed USB 2.0-compatible cable.
 - Depending on the application software that you are using, the device driver provided may not operate, or you may not be able to use the functions described in this guide.
 - Make sure that the device driver and application software that you will be using are compatible with your PC, the system configuration, and the type of SCSI board that you are using.
 - The ISIS/TWAIN driver provided with the scanner is not necessarily compatible with all ISIS-compatible or TWAIN-compatible application software. For details, contact your application software dealer.

Installation Procedure

The procedure for installing the unit is outlined below. (For a detailed outline of this procedure, see “Connecting the Scanner to Your PC” at the end of this section.)

1. Check the interface board in your computer.
(→ page 23 “Interface Board”)
↓
2. Connect the scanner to the PC.
(→ page 25 “Connecting the Scanner to your PC”)
↓
3. Connect the power cord to the scanner.
(→ page 28 “Connecting the Power Cord”)
↓
4. Turn the scanner on first, and then start up the PC.
(→ page 29 “Turning the Power On/Off”)
↓
5. Let the PC recognize the Scanner
(→ page 30 “Recognizing the Scanner”)
↓
6. Turn the scanner off. (→ page 32 “Turning the Power Off”)

Interface Board

When connecting the scanner via USB, verify that the USB 2.0 interface board you are using is one recommended for use with the scanner. The recommended USB 2.0 interface boards are as follows:

SCSI Boards

When connecting the scanner via SCSI, verify that the SCSI board you are using is one recommended for use with the scanner. The recommended SCSI boards are as follows:

Recommended SCSI boards

| | |
|--------------|---|
| Manufacturer | : Adaptec |
| Models | : AHA-2930U, AHA-2940AU, ASC-2915LP, ASC-2930LP, ASC-19160, ASC-29160, APA-1480 |

► Notice

When installing the SCSI board in your computer, please refer to the computer user's guide and follow the instructions provided

► Note

- The APA-1480U is not supported by Windows NT 4.0 Workstation.
- Windows 2000 and Windows XP do not support synchronous transfer with the ASC-2915/2930LP; therefore scanner throughput is slightly reduced. (As of January, 2003.)

USB 2.0 Interface Board

When connecting the scanner via USB, verify that the USB 2.0 interface board you are using is one recommended for use with the scanner. The recommended USB 2.0 interface boards are as follows:

Recommended USB2.0 Interface boards

Manufacturer : Adaptec
Models : USB2connect2000LP (AUA-2000)
 USB2connect3100 (AUA-3100LP)
 USB2connect5100 (AUA-5100)
 USB2connect for Notebooks (AUA-1420)

► Notice

- When installing the USB 2.0 interface board in your computer, please refer to the computer user's guide and follow the instructions provided.
- Make sure that the USB driver is an updated version provided by Adaptec or Microsoft.

► Note

- The DR-2080C passed the Hi-Speed USB 2.0 certification test. However, when you use the scanner with a personal computer equipped with USB 2.0 as standard, the scanner may not always operate normally.
- If the interface is not Hi-Speed USB 2.0-compatible, the scanning speed will slow.

Connecting the Scanner to Your PC

There are two ways of connecting the scanner to your computer, via SCSI or via USB. Choose either way suitable for the environment in which you are using the PC.

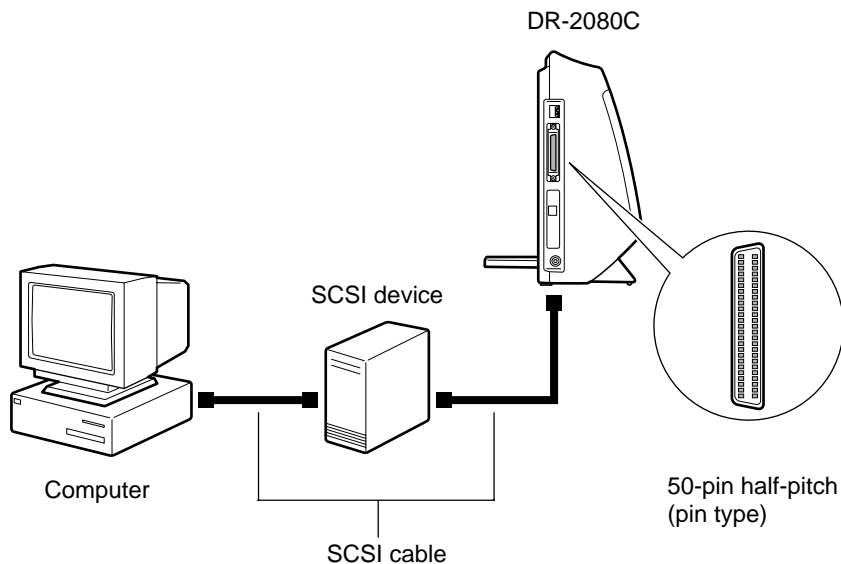
► Notice

- When the application is running, do not turn the scanner off nor unplug the interface cable.
- Do not connect both a SCSI cable and a USB cable concurrently.
- Do not connect multiple DR-2080Cs to one (1) computer.
- When having changed the connection, be sure to turn the scanner and the PC on once again.

Connecting via SCSI

Notes on the Shape of Connectors and the SCSI Cable

- The DR-2080C is equipped with a 50-pin half-pitch (pin type) SCSI connector.
- After checking the shape of the SCSI connector on your computer and connected SCSI device, use the SCSI cable provided purchase a SCSI cable with the right combination of connectors.



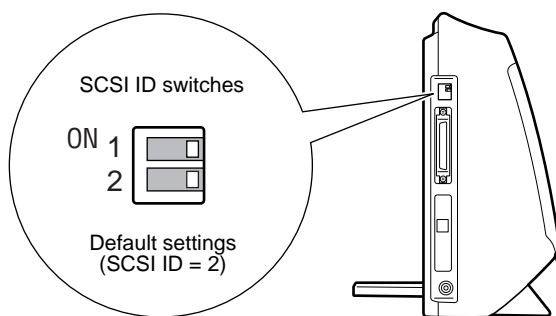
► **Notice**

- Make sure that the scanner and your PC are both turned off when connecting the scanner to the PC.
- Since the provided SCSI board uses a D-sub 25-pin connector, take care to connect the SCSI cable to the SCSI board connector, and not to the D-sub 25-pin connector of the printer port.
- The terminator of the scanner is set to ON as default. Be sure to turn off all terminators of the SCSI devices connected between the scanner and the PC.

► **Note**

The SCSI ID is set to “2” at the factory before shipping.

You can set the SCSI ID by using the DIP-switch provided on the left side of the scanner. In the DIP-switch settings, the SCSI ID can be set to ON by turning the switch to the rear side, or OFF by turning it to the front side.



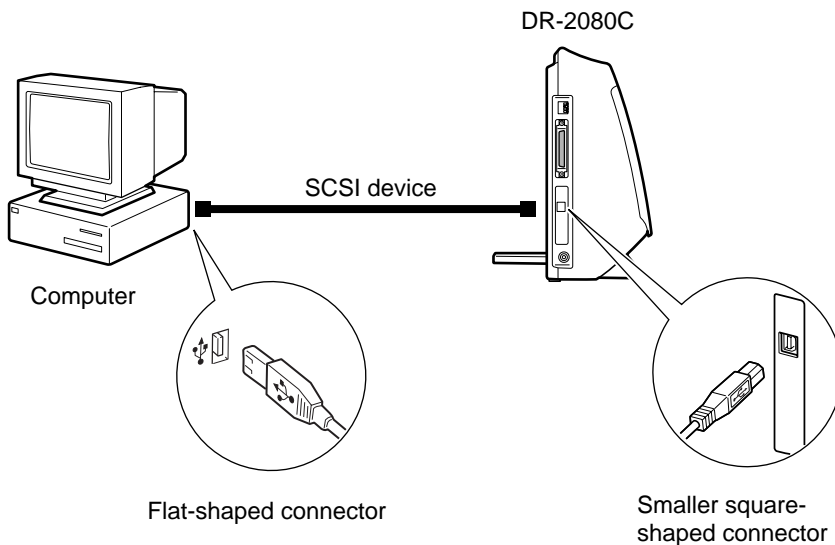
Refer to the following table when setting the SCSI ID. If there are other SCSI devices connected to or inside the PC, make sure to set a unique ID for the scanner.

| SCSI ID | SW1 | SW2 |
|---------|-----|-----|
| 2 | OFF | OFF |
| 3 | ON | OFF |
| 4 | OFF | ON |
| 5 | ON | ON |

Connecting via USB

USB interface connection

- Be sure to use the USB cable bundled with the scanner or a Hi-Speed USB 2.0-compatible cable.
- When using a USB extension board that supports Hi-Speed USB 2.0, be sure to choose one verified for use with the scanner.(→ page 24)



► Notice

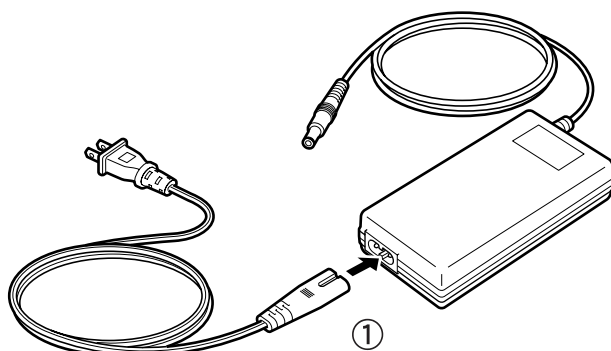
- If the OS you are using is Windows 95/NT, the connection via USB is not supported. When using the DR-2080C with Windows 95/NT, be sure to connect the scanner via SCSI.
- When using a USB hub, be sure to use one compatible with USB 2.0.

► Note

- The DR-2080C passed the Hi-Speed USB 2.0 certification test. However, when you use the scanner with a personal computer equipped with USB 2.0 as standard, the scanner may not always operate normally.
- If the interface is not Hi-Speed USB 2.0-compatible, the scanning speed will slow.

Connecting the Power Cord

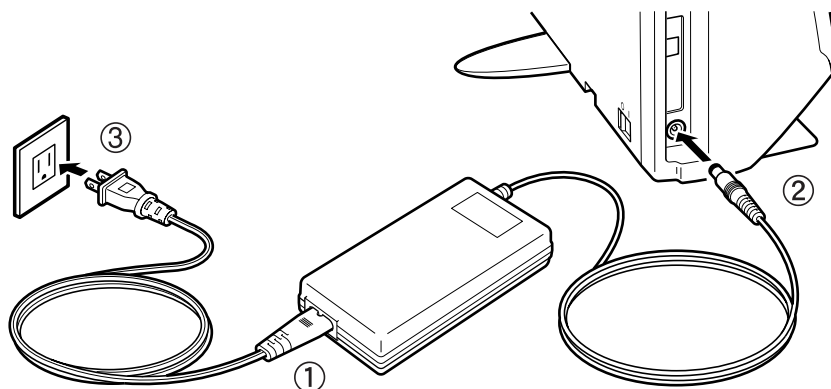
1. Connect the power cord provided with the unit to the AC adapter.



► **Notice**

- Only use the power cord and AC adapter provided with this unit.
- Always be sure to turn the power switch off before plugging in the power cord.

2. Connect the AC adapter connector to the connector located on the left side of the scanner, and then plug the power cord into a power outlet.



Turning the Power On/Off

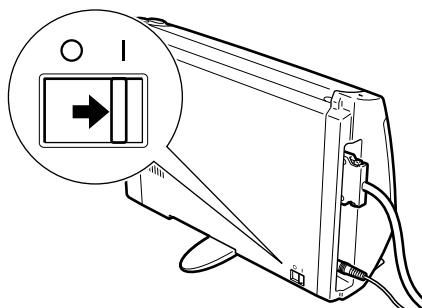
Follow the procedures described below when turning the power on and off.

Turning the Power On

1. Turn on the scanner.

The power switch is located on the lower right rear corner of the scanner.

To turn the scanner on, slide the power switch towards the “|” mark. When the power indicator lights green, the scanner is on.



2. Turn on the PC.



WARNING

If the unit ever makes a strange noise, emits smoke or a strange odor, or becomes hot, or if the unit does not operate at all even though the power is on, immediately turn the unit off and unplug the power cord. Contact your dealer or service representative to have the unit serviced.

Recognizing the Scanner

If you are using Windows 95/98/Me/2000 or Windows XP, then the first time that you turn on your PC after connecting this scanner to your PC, Windows Plug and Play automatically displays a screen prompting you to install the scanner driver. Follow the instructions on the screen to proceed with the installation.

● If you are using Windows 95, the “Found New Hardware” dialog box appears.

1. Select “Driver from disk provided by hardware manufacturer” and then click the OK button.
2. Load the setup disc into your CD-ROM drive.

-
3. In the “Copy manufacturer’s files from” box, type “D:\INF\Win95” (where “D” is the name of your CD-ROM drive), and then click the OK button.

- If you are using Windows 95 (OSR2), the “Update Device Driver Wizard” dialog box appears.

1. Click the Next button.
2. Click Other locations.
3. Load the setup disc into the computer’s CD-ROM drive.
4. Type “D:\INF\Win95” (where “D” is the drive letter assigned to your CD-ROM drive) and then click the OK button.
5. Click the Finish button.

- If you are using Windows 98, the “Add New Hardware Wizard” dialog box appears.

1. Click the Next button.
2. Select “Search for the best driver for your device. (Recommended).” and then click the Next button.
3. Load the setup disc into the computer’s CD-ROM drive.
4. Select “Specify a location”, type “D:\INF” (where “D” is the drive letter assigned to your CD-ROM drive) and then click the Next button.
5. Click the Next button.
6. Click the Finish button.

- If you are using Windows Me, the “Add New Hardware Wizard” dialog box appears.

1. Select “Specify the location of the driver (Advanced)” and then click the Next button.
2. Load the setup disc into the computer’s CD-ROM drive.
3. Select “Search for the best driver for your device. (Recommended).” and then select “Specify a location”. Next, type “D:\INF” (where “D” is the drive letter assigned to your CD-ROM drive) and then click the Next button.
4. Click the Next button.
5. Click the Finish button.

- If you are using Windows 2000 Professional, the “Found New Hardware Wizard” dialog box appears.

1. Click the Next button to proceed to the “Install Hardware Device Drivers” screen.
2. Select “Search for a suitable driver for my device (recommended)” and then click the Next button to proceed to the “Locate Driver Files” screen.
3. Select “Specify a location” and then click the Next button.

-
4. Load the setup disc into the computer's CD-ROM drive.
 5. Type "D:\INF" (where "D" is the drive letter assigned to your CD-ROM drive) and then click the OK button.
 6. In the "Driver Files Search Results" screen, click the Next button.
 7. If the message "Digital Signature Not Found" appears, simply click Yes to continue installation.
 8. On the "Completing the Found New Hardware Wizard" screen, click the Finish button.

● If you are using Windows XP, the "Found New Hardware Wizard" dialog box appears.

1. Load the setup disc into the computer's CD-ROM drive.
2. In the "Welcome to the Found New Hardware Wizard" screen, select "Install from a list or specific location (Advanced)", and then click the Next button.
3. Select "Search for the best driver in these locations", and then clear the "Search removable media (floppy, CD-ROM...)" check box. Select "Include this location in the search", type "D:\INF" (where "D" is the drive letter assigned to your CD-ROM drive), and then click the Next button.
4. Click the Continue Anyway button in the "Hardware Installation" dialog box.
Although a message appears indicating that the driver "has not passed Windows logo testing", simply continue operation.
5. Click the Finish button in the "Completing the Found New Hardware Wizard" screen.

► **Notice**

- The DR-2080C is registered as "CANON DR-2080C SCSI" or "CANON DR-2080C USB" in the "Imaging Device" directory.
- The displayed device name of the DR-2080C differs depending on the connection, via SCSI or via USB. When having changed the connection, be sure to let the PC recognize the scanner once again.

Turning the Power Off

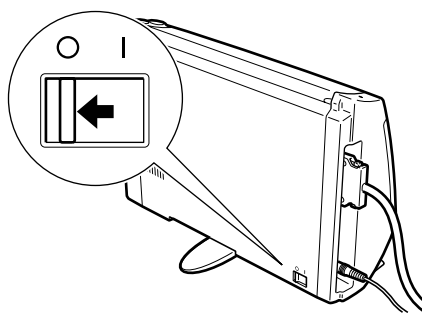
CAUTION

If the unit will not be used for an extended period of time, unplug the power cord for safety's sake.

1. Turn off the PC.
2. Turn off the scanner.

The power switch is located on the lower right rear corner of the scanner.

To turn the scanner off, slide the power switch towards the “○” mark. When the power indicator goes out, the scanner is off.



► Notice

- When connecting the DR-2080C via SCSI, turn the scanner on first, and then turn the PC on.
- Wait at least 10 seconds before turning the scanner back on.

Installing the Software

► **Notice**

Before installing the software, be sure to open and read the Readme.txt file on the setup disc.

The setup disc included with the scanner contains the following software:

● **ISIS/TWAIN driver**

This driver allows this scanner to be used with ISIS-compatible application software or TWAIN-compatible application software. The driver must be installed in order to be able to use the scanner.

● **CapturePerfect**

This is a TWAIN-compatible software application. Install this application if necessary.

● **OmniPage SE**

This is a TWAIN-compatible, OCR application supplied by ScanSoft. Install this application if necessary.

► **Note**

Please follow the instruction in the manual provided in the “OmniPage” folder in the setup disc.

Installing the ISIS/TWAIN Driver

Follow the procedure described below to install the ISIS/TWAIN driver.

► **Notice**

If another ISIS-compatible driver is already installed in your PC, you must back up the files listed below. These files may be overwritten when you install this ISIS/TWAIN driver.

C:\Windows\System\pix*.dll

C:\Windows\PixTran*.*

► **Note**

The name of the “\Windows” and “\Windows\System” folder varies, depending on which version of Windows you are using. Substitute accordingly in the above folder names with the folder names for Windows used in your system.

1. Turn on your PC. Windows starts.

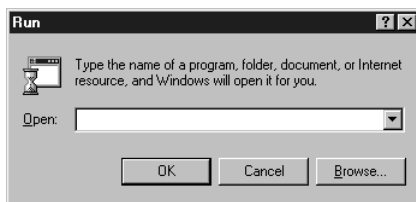
► **Notice**

If you are using Windows NT 4.0 Workstation, Windows 2000 Professional, or Windows XP, be sure to log on as a user with administrator privileges.

2. Load the setup disc in the PC's CD-ROM drive.
3. On the Start menu, Click Run.



The Run dialog box appears.



4. In the Open box, type "D:\Driver\Setup.exe" (where "D" is the drive letter assigned to your CD-ROM drive) and then click the OK button.

The Installer starts.

5. Follow the instructions on the screen and complete the installation process.

Uninstalling the ISIS/TWAIN Driver

Follow the procedure described below to uninstall the ISIS/TWAIN driver.

► **Notice**

If you are using Windows NT 4.0 Workstation, Windows 2000 Professional, or Windows XP, be sure to log on as a user with administrator privileges.

1. On the Start menu, point to Settings and click Control Panel.

► **Note**

If you are using Windows XP, on the Start menu, click Control Panel.

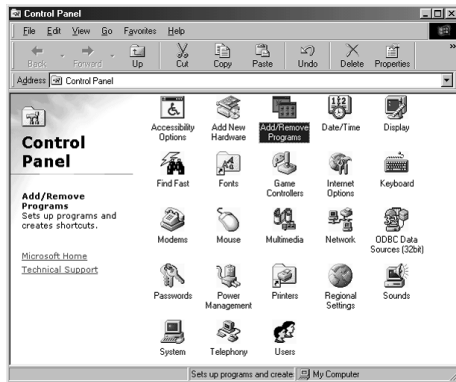


The “Control Panel” window is displayed.

2. Double-click the “Add/Remove Programs” icon.

► **Note**

If you are using Windows XP, click the “Add or Remove Programs” icon.



The “Add/Remove Programs Properties” dialog box is displayed.

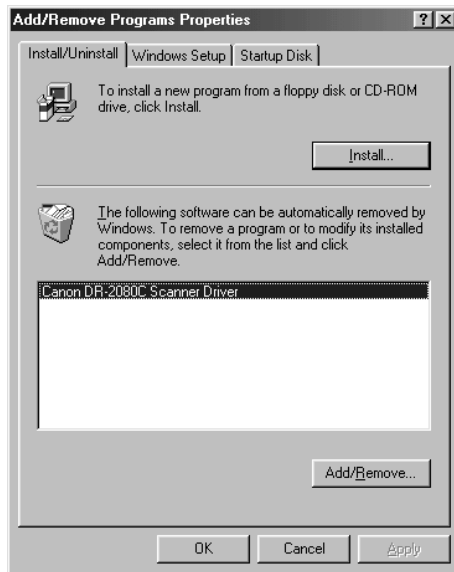
► **Note**

If you are using Windows XP, the “Add or Remove Programs” dialog box is displayed.

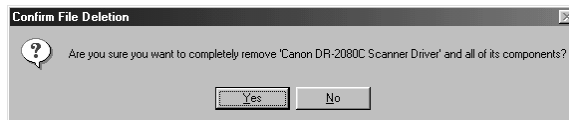
3. Select “Canon DR-2080C Scanner Driver” from the list, and then click the Add/Remove button.

► **Note**

If you are using Windows XP, click the Change/Remove button.



The “Confirm File Deletion” dialog box is displayed.



4. Click the Yes button to start the uninstaller.

Follow the instructions on the screen and complete the uninstallation process.

Installing CapturePerfect

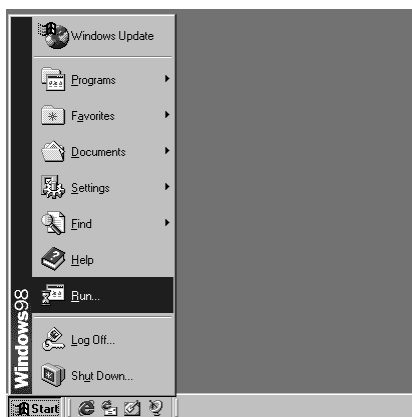
Follow the procedure described below to install CapturePerfect.

1. Turn on your PC. Windows starts.

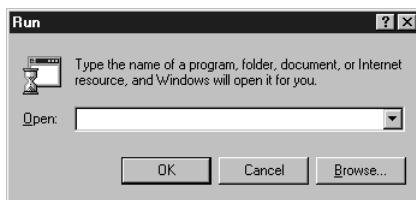
► Notice

If you are using Windows NT 4.0 Workstation, Windows 2000 Professional, or Windows XP, be sure to log on as a user with administrator privileges.

2. Load the setup disc in the PC's CD-ROM drive.
3. On the Start menu, click Run.



The Run dialog box appears.



4. In the Open box, type "D:\CapturePerfect\Setup.exe" (where "D" is the drive letter assigned to your CD-ROM drive) and then click the OK button.

The Installer starts.

5. Follow the instructions on the screen and complete the installation process.

Uninstalling CapturePerfect

Follow the procedure described below to uninstall CapturePerfect.

► Notice

If you are using Windows NT 4.0 Workstation, Windows 2000 Professional, or Windows XP, be sure to log on as a user with administrator privileges.

1. On the Start menu, point to Settings and click Control Panel.

► Note

If you are using Windows XP, on the Start menu, click Control Panel.

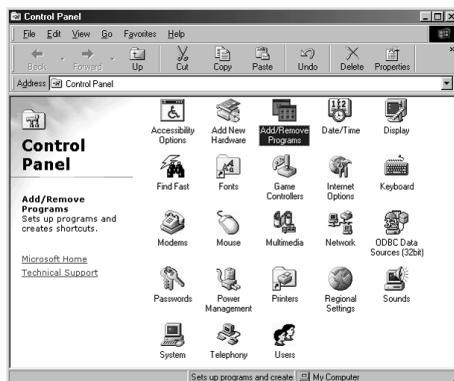


The “Control Panel” window is displayed.

2. Double-click the “Add/Remove Programs” icon.

► Note

If you are using Windows XP, click the “Add or Remove Programs” icon.



The “Add/Remove Programs Properties” dialog box is displayed.

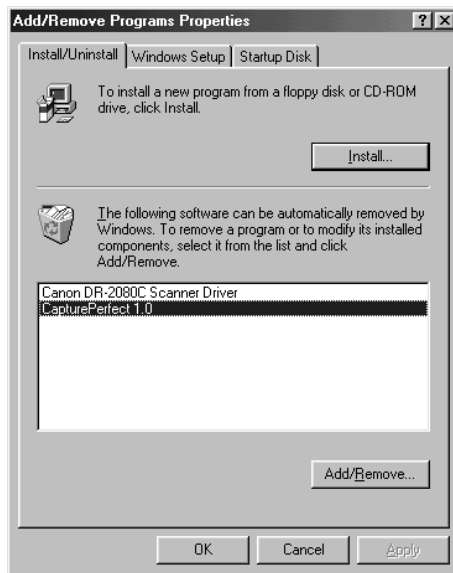
► **Note**

If you are using Windows XP, the “Add or Remove Programs” dialog box is displayed.

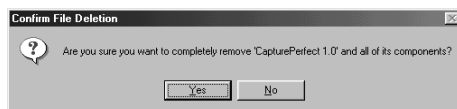
3. Select “CapturePerfect” from the list, and then click the Add/Remove button.

► **Note**

If you are using Windows XP, click the Change/Remove button.



The “Confirm File Deletion” dialog box is displayed.



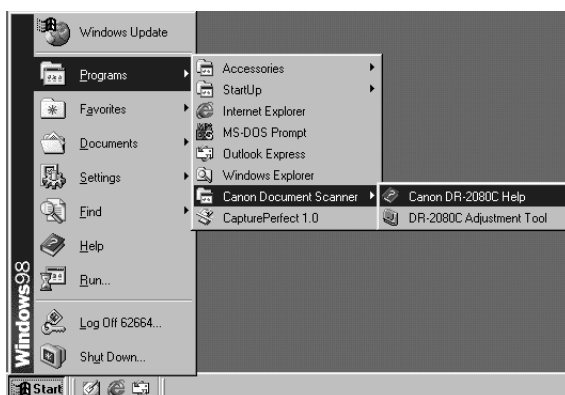
4. Click the Yes button to start the uninstaller.

Follow the instructions on the screen and complete the uninstallation process.

Using the Software

Using the ISIS/TWAIN Driver

The ISIS/TWAIN driver help describes how to use the ISIS/TWAIN driver. To access the ISIS/TWAIN driver help, click Start - Programs (when using Windows XP, click All Programs) - Canon Document Scanner - Canon DR-2080C Help, or click the Help button displayed in the dialog box.



Using CapturePerfect

Follow the procedure described below to start and close CapturePerfect.

► Note

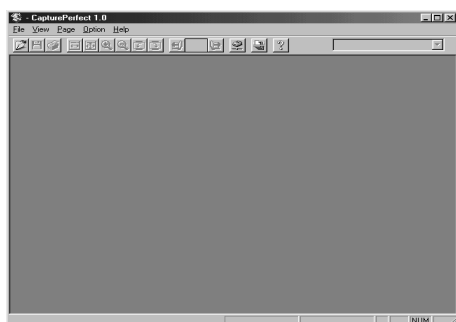
The basic method for scanning using CapturePerfect is described in the CapturePerfect help. From the Help menu on the CapturePerfect menu bar, click Help, then refer to the explanation of how to use CapturePerfect.

Starting CapturePerfect

1. Turn on the scanner.
2. Turn on your computer. Windows starts.
3. On the Start menu, point to Programs (when using Windows XP, point to All Programs) and then click CapturePerfect.

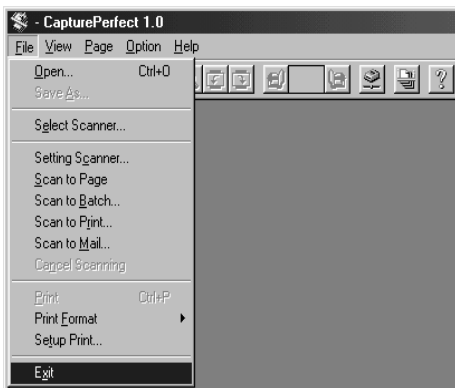


CapturePerfect starts.



Closing CapturePerfect

1. On the File menu, click Exit.



CapturePerfect closes.

Starting Up CapturePerfect by the Event Driven Function

The DR-2080C and CapturePerfect together support the “Scanner Event” driven function of Windows.

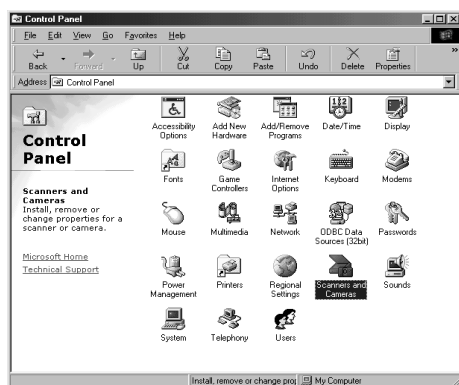
When the ISIS/TWAIN driver and CapturePerfect are installed in the PC, pressing the Start button on the scanner starts up CapturePerfect automatically.

► **Note**

Windows 95/NT do not support this function.

Verifying the “Scanner Event”

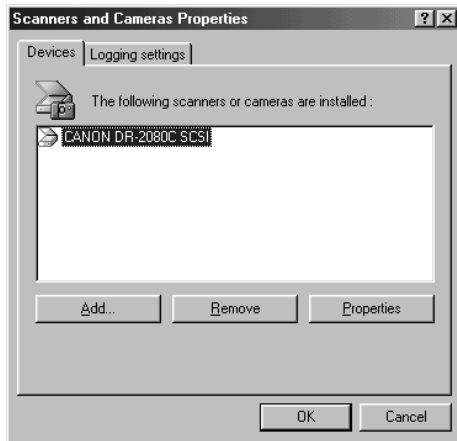
1. Open the “Scanner and Camera” folder.



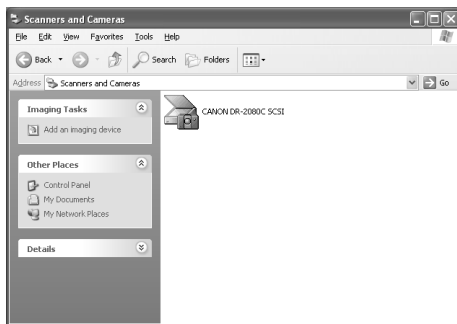
► **Note**

- Windows 95/NT do not display the “Scanner and Camera” folder.
- The displayed dialog box differs depending on Windows you are using.
 - Windows 98/2000 display the “Scanner and Camera Properties” dialog box.
 - Windows Me/XP display the “Scanner and Camera” folder.

2. Select [CANON DR-2080C SCSI] (or, [CANON DR-2080C USB]) to display [Properties].

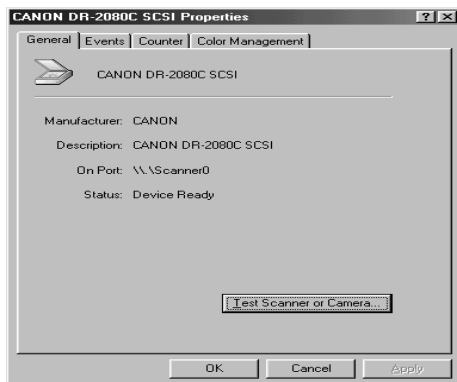


“Scanner and Camera” Properties (Window 98)

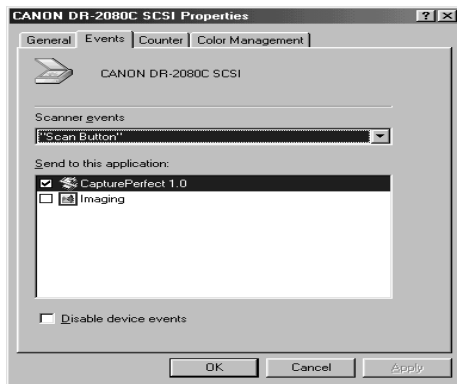


“Scanner and Camera” folder (Windows XP)

3. Click the [Event] tab.



4. Confirm whether CapturePerfect is selected (checked).



► **Note**

- When started up by the event driven function, some applications may not operate normally.
- If you are not using the event driven function, select the "Disable device events" check box
- If you are using Windows 2000/XP, restart Windows to enable the Event settings you have changed.

Using the Scanner

Documents

This scanner is able to scan documents ranging in size from business cards to legal size documents. The scannable size range is:

- Width: 2.2 in. to 8.5 in. (55 mm to 216 mm)
- Length: 2.8 in. to 11.7 in. (70 mm to 297 mm) with page separation mode
2.8 in. to 14 in. (70 mm to 355 mm) with bypass mode
- Thickness: 0.0024 in. to 0.0059 in. (0.06 mm to 0.15 mm) with page separation mode
0.0019 in. to 0.0079 in. (0.05 mm to 0.2 mm) with bypass mode

There are certain criteria that a document must meet in order to be scannable. Familiarize yourself with the following points:

- When scanning a multi-page document, pages must be grouped together so that they have the same size, thickness and weight. Scanning different types of paper at one time can cause the scanner to jam.
- Scanning documents before the ink is dry can cause problems with the scanner. Always make sure that the ink on a document is dry before scanning it.
- Scanning documents that are written in pencil or similar material can make the rollers dirty, which can then transfer the dirt to subsequent documents. Always clean the rollers after scanning a document written in pencil.
- When scanning a double-sided document that is printed on thin paper, the image on the opposite side of each page may show through. Before scanning, adjust the brightness setting in your application software.
- Scanning the following types of documents can cause paper jams or malfunctions. To scan such documents, make photocopies of the documents and then scan the photocopies.



Wrinkled or creased documents



Documents with paper clips or staples



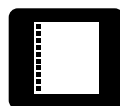
Extremely thin, translucent paper



Curled documents



Carbon paper



Paper with square holes



Torn documents



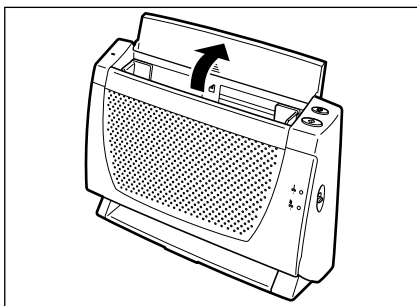
Surface-treated paper

Loading a Document for Scanning

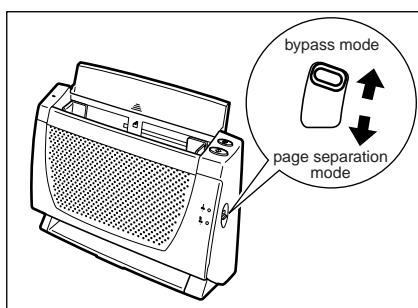
Make preparations based on the size of the document and the feeding method that you want to use, and then load the document for scanning.

Preparing for Scanning

1. Open the top cover.



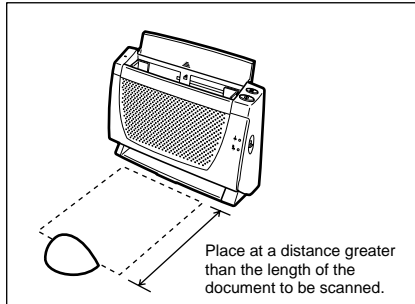
2. Check the position of the feed selection lever and set it according to the type of document being loaded. To feed the sheets of the document individually, set the feed selection lever in the down position (page separation mode). To feed all the sheets of the set document at once, set the feed selection lever in the up position (bypass mode).



► Note

- If you set the feed selection lever in the up position, you can scan documents such as bound vouchers as they are. In this case, only the first page is scanned.
- When scanning particularly thin or thick documents, set the feed selection lever in the down position (page separation mode).

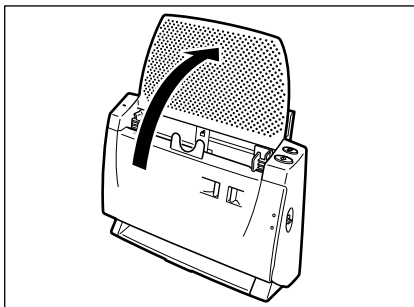
3. Align and set the document stop provided with the unit to the size of the document to be scanned. By using the document stop, you can prevent documents from becoming disorganized when they come out from the document eject opening.



Scanning Long Documents

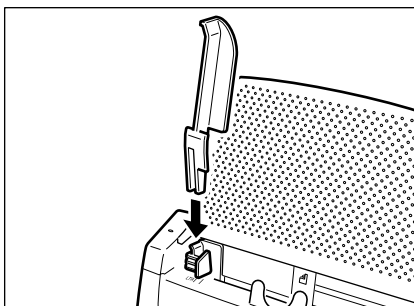
When scanning documents that extend beyond the document feed opening, open the paper feed tray to set the document.

1. Open the paper feed tray.



► Note

If documents skew during scanning, you can reduce skew by attaching the provided paper side guide adapters. When you attach the paper side guide adapters, orient them as shown in the illustration. Make sure that the paper side guides are inserted all the way into the fork of the paper side guide adapters.

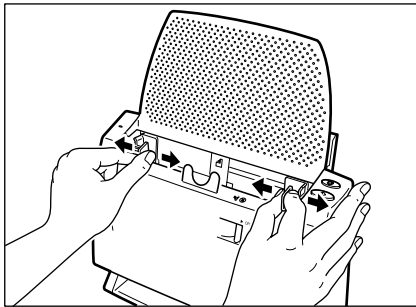


Loading a Document for Scanning

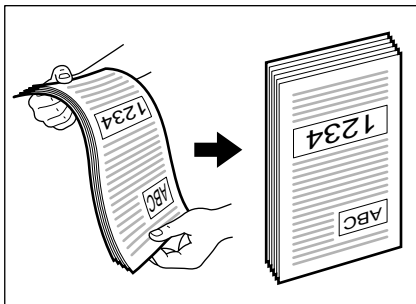
► Notice

When loading a document for scanning, be careful to remove all paper clips, staples, etc., from the document. During the scanning process, such objects can tear the document, cause paper jams and/or damage the scanner.

1. Set the paper feed select lever and paper side guide adapters according to the type of document to be scanned. (→ Page 48, 49)
2. Get ready to perform the scanning operation with the application software that you are using.
3. Align the paper side guides with the width of the document that is to be scanned. If the document is printed on A4 or letter-sized paper, align the guides with the appropriate paper size mark.



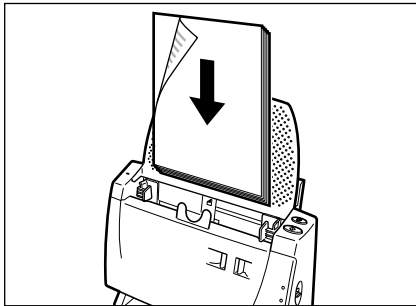
4. When scanning a multiple-page document, fan the pages, then stagger them as shown in the illustration so that the top edge of the first page is lowest. (Set the document with the top end at the bottom.)



⚠ CAUTION

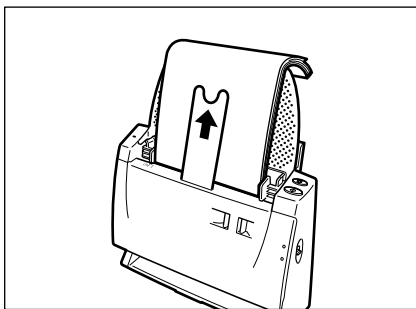
Be careful when handling documents. It is possible to cut your hand on the edge of a sheet of paper.

5. Load the document in the document feed opening.

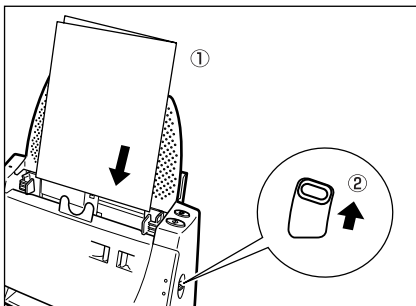


► Note

- Orient the document with the back side facing forward and top edge pointing down, and then load it into the document feed opening.
- If the document falls forward because the paper is too thin, pull out the paper feed extension plate and push the document so that it falls backward.

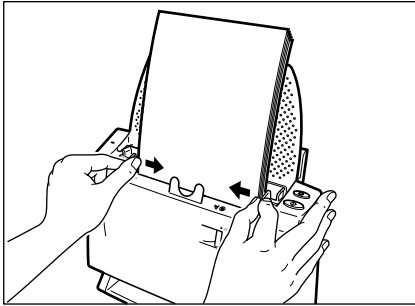


- When scanning a document folded in half, set the document with the fold on the right (①) and turn the feed selection lever upward (②).



- Even if scanning a multiple number of folio (folded in half) documents, be sure to set a document at a time.

6. Adjust the paper side guides.



► **Note**

Before starting a scan, make sure that the document is loaded in the scanner correctly. Scanning a curled document or a creased document can damage the document.

7. Perform the scanning operation in accordance with the normal operating procedure for your application software.

► **Notice**

- If the paper feed operation stops due to a system error or a paper jam while the scanner is scanning, resolve the problem, make sure that the scanned image of the last page that was fed has been stored, and then resume the scanning operation.
- When you finish scanning, lower the paper feed extension plate, remove the paper side guide adapters, and finally close the paper feed tray cover and top cover to protect the scanner against possible damage.

► **Note**

- When operating this unit, avoid wearing loose-fitting clothing, dangling jewelry, or other objects that could be pulled into the unit. Injury could result. Be especially careful if you are wearing a necktie or have long hair. In the event that an object or clothing is caught in the unit, turn the power off immediately.
- Depending on the type of document you are using, the unit may make a strange noise when documents are fed. This is not a malfunction.

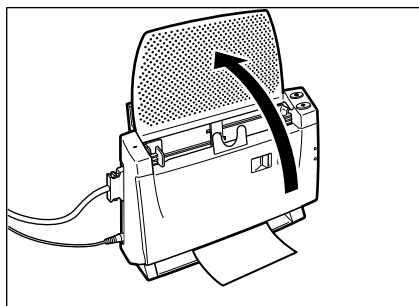
Clearing Paper Jams

If a paper jam occurs in the scanner, follow the procedure described below.

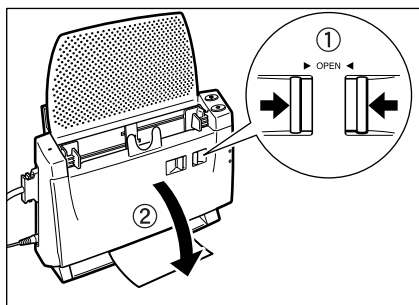
CAUTION

Be careful when removing jammed paper. It is possible to cut your hand on the edge of a sheet of paper.

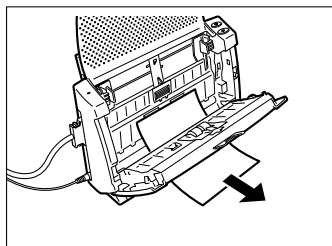
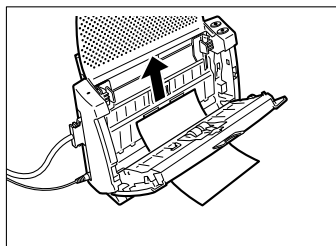
1. If the paper feed tray is closed, open it.



2. While squeezing the OPEN release (①), open the front unit towards you (②).



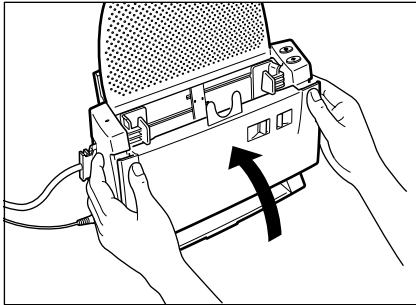
3. Remove the jammed paper from the feed or eject section.



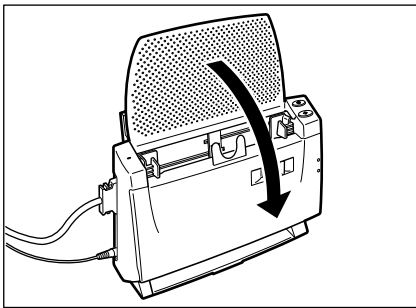
Notice

Do not pull hard on the jammed sheet; remove it gently. If the sheet rips, be sure to remove all the remaining pieces of paper.

4. Gently press the upper left and right edges of the front unit. Make sure that the cover clicks into place and is returned to its original position.



5. If necessary, close the paper feed tray.



► **Note**

Once you have cleared the paper jam, check whether the scanned image on the last page has been stored properly or not, and then resume scanning.

Regular Maintenance

Clean the scanner on a regular basis as described below in order to maintain peak scanning quality.

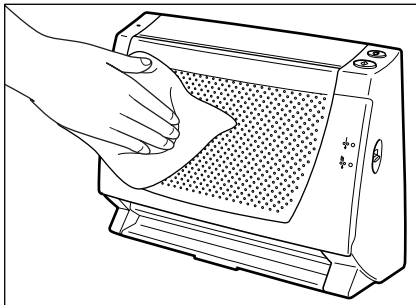


CAUTION

For safety's sake, always turn the unit off and unplug the power cord before cleaning the unit. However, because the power must be on when cleaning the metal rollers, exercise extreme care when performing this operation.

Cleaning the Scanner

To clean the exterior of the scanner, dampen a cloth with water or a mild detergent, wring the cloth out thoroughly, and then wipe the dirt away. Then use a dry cloth to wipe away any moisture.

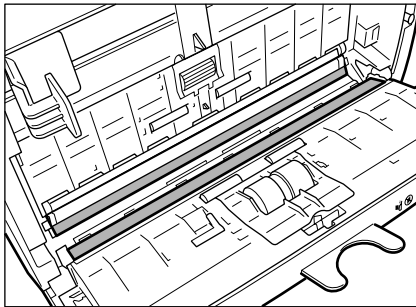


CAUTION

Never use paint thinner, alcohol, or other organic solvents to clean the scanner. Such solvents can damage or discolor the exterior of the scanner. They also create a risk of fire and electric shock.

Cleaning the Scanning Glass and Transport Rollers

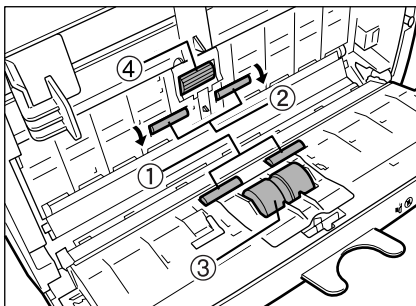
1. Turn the power off and unplug the power cord from the power outlet.
2. Open the paper feed tray.
3. While squeezing the OPEN release, open the front unit towards you.
4. Wipe the scanning glass (the shaded portion ■ in the illustration) with a clean, dry cloth.



CAUTION

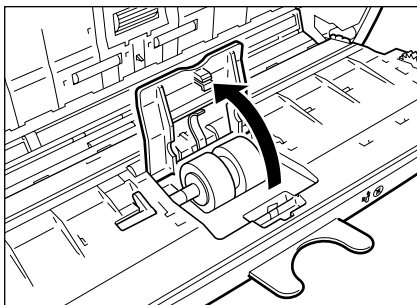
Both the front unit and body of the scanner have scanning glasses. Be sure to clean both of them. Do not spray water or cleaning solution directly onto the scanning glass. Doing so could damage the scanner's light source or precision optical components.

5. Clean rollers ① to ④. Clean the rollers by wiping them with a moist cloth, then wipe the rollers with a clean, dry soft cloth.
 - ① Wipe while turning.
 - ② Wipe while turning in the direction indicated by the arrows.
 - ③ (Retard roller) Remove the retard roller from the scanner, clean it, then reinstall it. (See page 57 for details)
 - ④ (Feed roller) Remove the feed roller from the scanner, clean it, then reinstall it. (See page 59 for details)

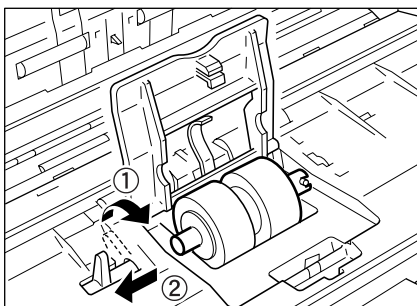


Removing the Retard Roller

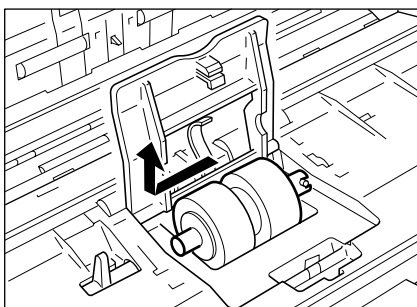
1. Open the roller cover inside the front unit by lifting it at the edge.



2. Raise the roller lock lever ①, and slide it in the direction of the arrow ②.

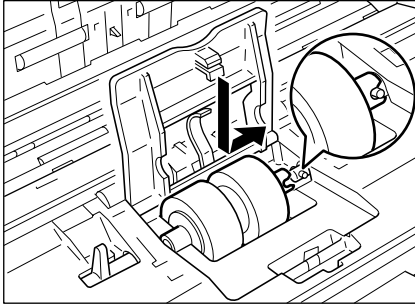


3. Remove the retard roller from its spindle by sliding it to the left.

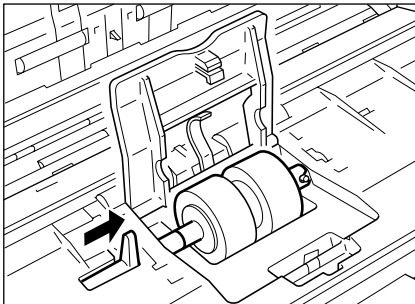


Reinstalling the Retard Roller

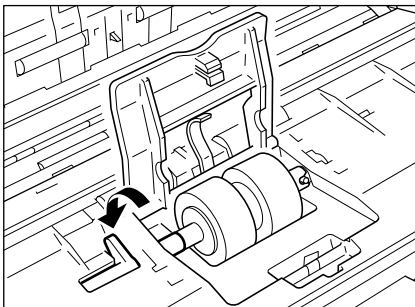
1. Insert the retard roller into the groove inside the roller cover, and align the notch in the roller with the spindle on the front unit.



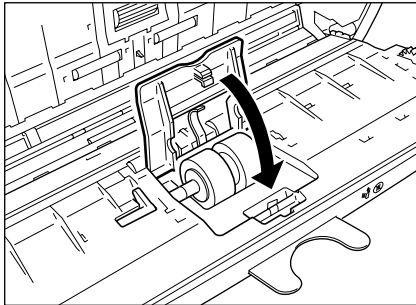
2. Slide the roller lock lever to the right, and set it into the hollow to the left of the retard roller.



3. Lower the lever to fasten the roller spindle.

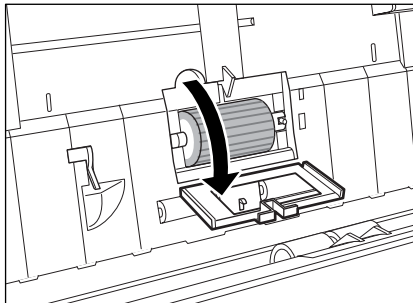


4. Close the roller cover. Make sure that the cover clicks into place and is returned to its original position.

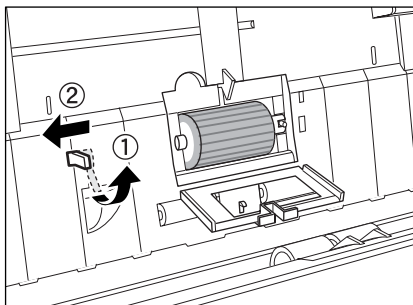


Removing the Feed Roller

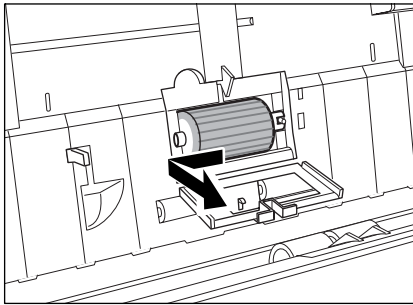
1. Open the roller cover inside the scanner. To open the cover, set your finger in the groove and lift.



2. Raise the roller lock lever ①, and slide it in the direction of the arrow ②.



3. Remove the feed roller from its spindle by sliding it to the left.



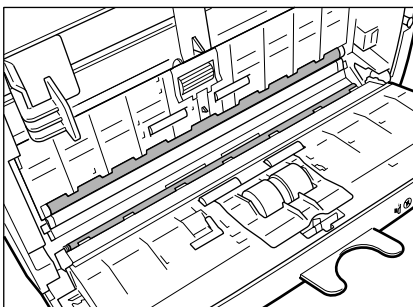
Reinstalling the Feed Roller

Set the feed roller into the space inside the roller cover on the scanner, fasten it in place with the lock lever, and close the roller cover. For details, see “Installing the Feed Roller.” (→ P.15)

Cleaning the Metal Rollers

1. Turn on the scanner.
2. Open the paper feed tray.
3. While squeezing the OPEN release, open the front unit towards you.
4. Wipe the metal rollers (the shaded portion in the illustration) with a clean, dry cloth.

If you press the Start key and Stop key simultaneously, the metal rollers will rotate in increments.



CAUTION

- The front unit and scanner itself contain a metal roller. Be sure to wipe both clean. However, do not spray water or cleaning solution directly onto the rollers. Doing so could damage the scanner's light source or precision optical components. Also note that because the power is on during this operation, there is a risk of electrical shock if the scanner or your hands are wet.
- Because the power is on when cleaning the metal roller, exercise extreme caution.

Feed Rollers Replacements

Feed rollers (Retard Roller and Feed Roller) are consumables. If the total scan exceeds 30,000 sheets, a message for roller replacement appears when you restart the PC. In this case, replace the feed rollers (Retard Roller and Feed Roller) and reset the counter in the following procedure.



► Notice

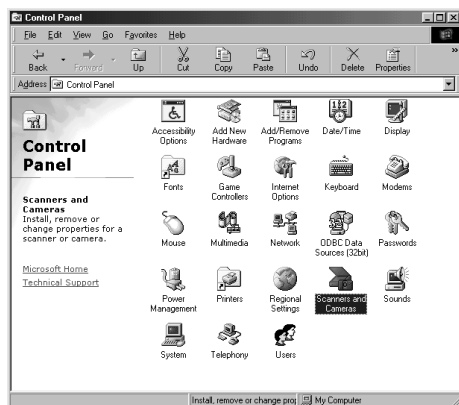
- Windows 95/NT do not support a function to display a message for roller replacement. To confirm the total scan, check "Total Scan Count" in the "Version Information" dialog box of the ISIS/TWAIN driver and replace the Retard Roller and Feed Roller if the count shows around 30,000 scans.



- For details on the roller replacement kit (Retard Roller and Feed Roller), contact your dealer.

Resetting the Counter

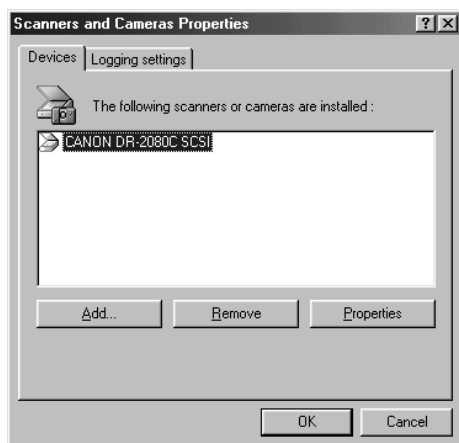
1. Open the “Scanner and Camera” folder in the Control Panel.



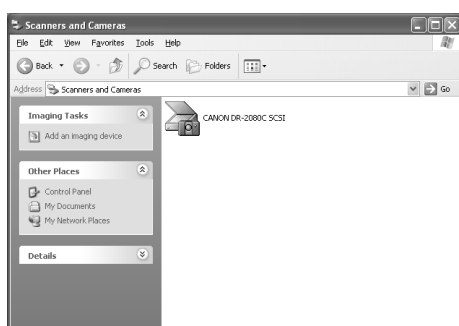
► Note

- Windows 95/NT do not display the “Scanner and Camera” folder.
- The displayed dialog box differs depending on Windows you are using.
 - Windows 98/2000 display the “Scanner and Camera Properties” dialog box.
 - Windows Me/XP display the “Scanner and Camera” folder.

2. Select [CANON DR-2080C SCSI] (or, [CANON DR-2080C USB]) to display [Properties].



“Scanner and Camera” Properties (Window 98)



“Scanner and Camera” folder (Windows XP)

3. Double-click the [Counter] tab.



4. Press the [Reset] button and confirm whether the counter is reset to 0.



Troubleshooting

This section describes common problems that may occur while you are using the scanner, and how to resolve them.

Refer to the troubleshooting section related to the problem that you have encountered.

| | |
|---|-------------|
| The scanner does not turn on | P.64 |
| The PC does not recognize the scanner | P.65 |
| (connecting via SCSI) | |
| The PC does not recognize the scanner | P.67 |
| (connecting via USB2.0) | |
| Images are not scanned | P.68 |
| Documents do not feed properly | P.68 |
| Documents are not ejected properly..... | P.69 |
| Resulting scanned images are not correct | P.69 |

If after consulting the above section you still cannot resolve the problem, contact your dealer or your service representative.

✕ The scanner does not turn on

Check the following:

- Is the power switch in the ON position?
- Is the AC adapter securely connected to the scanner?
- Is the power cord securely connected to the AC adapter?
- Is the power cord plugged into an outlet?

x The PC does not recognize the scanner (connecting via SCSI)

The following are possible causes of the PC failing to recognize the scanner. Check each possible cause.

| | |
|--------|---|
| Cause | The scanner is not connected correctly. |
| Action | Check all the SCSI cable connections between the scanner, the SCSI board in the PC, and any other SCSI devices connected to the system. |
| Cause | The SCSI board is not correctly installed in the PC. |
| Action | <p>Refer to the instruction manual for the SCSI board and correctly install the SCSI board in the PC correctly.</p> <p>Also check the following, depending on which operating system you are using:</p> <p>Windows 95/98/Me</p> <p>Click Start - Settings - Control Panel - System - Device Manager, and make sure that no “x” or “!” symbol appears next to the SCSI Controller entry. If either of these symbols is displayed, refer to the instruction manual for the SCSI board and make the SCSI board settings again.</p> <p>Windows NT 4.0 Workstation</p> <p>Click Start - Settings - Control Panel - SCSI Adapter, and make sure that the system recognizes the SCSI board properly. If the system does not recognize the SCSI board properly, refer to the instruction manual for the SCSI board and make the SCSI board settings again.</p> <p>Windows 2000 Professional</p> <p>Click Start - Settings - Control Panel - System - Hardware - Device Manager, and make sure that no “x” or “!” symbol appears next to the SCSI Controller entry. If either of these symbols is displayed, refer to the instruction manual for the SCSI board and make the SCSI board settings again.</p> <p>Windows XP</p> <p>Click Start - Control Panel - Performance and Maintenance - System - Hardware - Device Manager, and make sure that no “x” or “!” symbol appears next to the SCSI Controller entry. If either of these symbols appears, refer to the instruction manual for the SCSI board and reconfigure the SCSI board.</p> |

| | |
|--------|--|
| Cause | The scanner's SCSI ID is identical to the SCSI ID of another device. |
| Action | Check the SCSI IDs of all SCSI devices connected to the system and set a unique SCSI ID for the scanner. |
| Cause | The terminator is not set correctly. |
| Action | Turn the PC and the scanner off once. Then, turn the scanner on first and the PC on again. (→ P.26) |
| Cause | The PC was turned on before the scanner. |
| Action | Shut down both the PC and the scanner, and then turn the scanner back on, followed by the PC. |
| Cause | The scanner is not on. |
| Action | Refer to the previous section, "The scanner does not turn on," and check to see if the scanner is on. If the scanner is not on, shut down the PC, then turn the scanner on first, and then the PC. |
| Cause | The SCSI board is not compatible with the scanner. |
| Action | Use a recommended SCSI board. (→ P.23) |

✕ The PC does not recognize the scanner (connecting via USB2.0)

The following are possible causes of the PC failing to recognize the scanner.
Check each possible cause.

| | |
|--------|--|
| Cause | The scanner is not connected correctly. |
| Action | Check the USB cable connections between the scanner and the PC. (→ P.27) |
| Cause | The USB 2.0 interface board is not mounted on the PC correctly. |
| Action | Reseat the USB 2.0 interface board on the PC correctly referring to the instruction manual for the USB 2.0 interface board. Also, confirm whether the USB interface board is recognized by the OS (Windows) you are using. |
| Cause | The scanner is not on. |
| Action | Refer to the previous section, “The scanner does not turn on,” and check to see if the scanner is on. If the scanner is not on, shut down the PC, then turn the scanner on first, and then the PC. |
| Cause | The USB 2.0 interface board does not support the scanner. |
| Action | Use a recommended USB 2.0 interface board. (→ P.24) |
| Cause | The USB hub is not on. |
| Action | Turn the USB hub on. |

x Images are not scanned

Check the following if the scanner does not scan an image even though the scanning operation is being performed:

- Is the scanner correctly connected to the PC?
- Has the scanner driver been installed?
- Has the application software been installed correctly? Has the application software been set up correctly?
- Is there a problem in the PC system?

► Notice

If the scanner does not respond at all due to a system error, turn the scanner off, wait at least 10 seconds, and then turn the scanner back on again.

When you resume scanning, make sure that the last document was scanned correctly.

x Documents do not feed properly

The following are possible causes of a document failing to feed properly. Check each possible cause.

| | |
|--------|--|
| Cause | Attempting to scan a document of a size, thickness or weight that the scanner cannot scan. |
| Action | Check the size, thickness and weight of the document. For cautions concerning documents, refer to “Documents” on page 47. |
| Cause | The rollers inside the scanner are dirty or worn. |
| Action | Clean the rollers as described on page 56. If the transport rollers are worn, contact your service representative and purchase a replacement roller kit. |
| Cause | The feed selection lever is incorrectly positioned. |
| Action | For details on how to set the feed selection lever in the correct position, see page 48. |
| Cause | The document loaded in the document feed opening contains too many pages. |
| Action | Load only approximately 10 document pages at a time. |

For details on how to clear jammed paper, refer to “Clearing Paper Jams” on page 53.

x Documents are not ejected properly

When you set and scan a multi-page document, individual pages of the document are not fully ejected from the eject rollers. (The trailing edge sticks partway inside the scanner.).

| | |
|--------|--|
| Cause | This is not a jam. The scanner is designed to stop at a certain point in the eject sequence while waiting to scan the next page of the document. |
| Action | You may either pull the partially ejected page out from between the eject rollers, or leave the page as it is and scan the next page. |

For details on how to clear jammed paper, refer to “Clearing Paper Jams” on page 53.

x Resulting scanned images are not correct

If the resulting scanned images are not crisp, if there are lines or spots on the images, or if there is some other problem with scanned images, likely causes are listed below. Check each item and take the appropriate action.

| | |
|--------|---|
| Cause | The scanning glass or the rollers inside the scanner are dirty. |
| Action | Clean the scanning glass and rollers as described on page 53. |
| Cause | The application software is not set up properly for scanning. |
| Action | <p>Check the scanning-related settings, such as brightness in the application software.</p> <p>For example, if the document cannot be scanned at all, it is possible that the brightness setting is too high. If the resulting scanned images are too dark, it is possible that the brightness setting is too low.</p> |
| Cause | The scanner driver or application software is not running normally. |
| Action | <p>If the software is set properly for scanning and normal scanning is still not possible, it is possible that the scanner driver or the application software is not running normally. Reinstall the scanning driver or the application software. For details on how to install the scanner driver, refer to page 33. For details on how to install the application software, refer to the application software instruction manual.</p> |

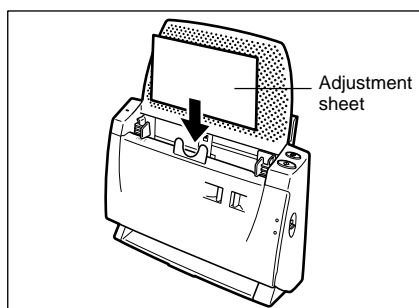
| | |
|--------|---|
| Cause | Attempting to use a function of the DR-2080C that is not supported by the application software. |
| Action | Some application software may not support certain functions, such as automatically detecting the paper size or changing the scanning mode/resolution through the scan panel. Using such application software for scanning may yield abnormal scanning results. Try scanning without using functions such as automatic paper size detection or margins settings. |

If images still are not scanned properly after you take the actions described above, adjust the scanner.

CAUTION

Before adjusting the scanner, make sure that you clean the scanning glass inside the scanner. (→ page 56) If you adjust the scanner while the scanning glass is dirty, vertical lines may appear in scanned images. When you adjust the scanner, note that previous adjustments are deleted and cannot be recovered.

Set the adjustment sheet sideways, so that it feeds into the scanner from the long edge. After setting the sheet, on the Start menu, point to Programs (when using Windows XP, point to All Programs), point to Canon Document Scanner, and then click DR-2080C Adjustment Tool. You can also use the ISIS/TWAIN driver's Scanner Adjustment function. If you perform one of the actions described above, a dialog box is displayed. Follow the instructions on the screen. For details on the ISIS/TWAIN driver's Scanner Adjustment function, refer to the ISIS/TWAIN driver help.



Adjustment sheet

Specifications

| | | | | |
|---|--|---|------------------|--|
| Type | Compact Document Scanner | | | |
| Scanning document size | Width: | 2.2 in. to 8.5 in. (55 mm to 216 mm) | | |
| | Length: | 2.8 in. to 11.7 in. (70 mm to 297 mm) with page separation mode | | |
| | | 2.8 in. to 14 in. (70 mm to 355 mm) with bypass mode | | |
| | Thickness: | 0.0024 in. to 0.0059 in. (0.06 mm to 0.15 mm) with page separation mode | | |
| | | 0.0019 in. to 0.0079 in. (0.05 mm to 0.2 mm) with bypass mode | | |
| Document feeding method | Automatic | | | |
| Scanning method | Contact sensor | | | |
| Light source | LED | | | |
| Scanning side | Simplex/duplex | | | |
| Scanning modes | Black and white, text enhanced, error diffusion, 256-level grayscale, 24-bit color | | | |
| Scanning resolution | 600 x 600 dpi/400 x 400 dpi/300 x 300 dpi | | | |
| (primary scan lines x secondary scan lines) | 240 dpi x 240 dpi/200 x 200 dpi/150 x 150 dpi /100 x 100 dpi | | | |
| Scanning speed | Letter / A4 | | | |
| Black and White | Simplex | 200 x 200 dpi | 20 pages/minute | |
| | | 300 x 300 dpi | 11 pages/minute | |
| | Duplex | 200 x 200 dpi | 39 images/minute | |
| | | 300 x 300 dpi | 21 images/minute | |
| 256-level Gray | Simplex | 200 x 200 dpi | 20 pages/minute | |
| | | 300 x 300 dpi | 11 pages/minute | |
| | Duplex | 200 x 200 dpi | 39 images/minute | |
| | | 300 x 300 dpi | 21 images/minute | |
| 24-bit Color | Simplex | 100 x 100 dpi | 18 pages/minute | |
| | | 200 x 200 dpi | 7 pages/minute | |
| | Duplex | 100 x 100 dpi | 36 images/minute | |
| | | 200 x 200 dpi | 13 images/minute | |
| Amount of paper that can be stacked in automatic feeder | 5 mm stack, maximum | | | |
| Interface | SCSI-II / USB2.0 | | | |
| Other functions | Automatic document thickness adjustment | | | |
| Dimensions | 11.7 x 8.2 x 3.9 in. (H x W x D) | | | |
| | 298 x 209 x 99 mm (H x W x D) | | | |
| Dimensions (with the paper feed tray open and stand pulled out) | 11.7 x 13 x 6.1 in. (H x W x D) | | | |
| | 298 x 331 x 155 mm (H x W x D) | | | |
| Weight | Approximately 2.3 kg | | | |
| Power supply | 15V-16V DC | | | |
| Power consumption | Scanning: | 17 W maximum | | |
| | Standby: | Under 7 W | | |
| | Low-power mode: | 120 V model | Under 3.8 W | |
| | | 220-240 V model | Under 4.0 W | |

| | |
|-----------------------|-------------------------------|
| Noise | Not more than 66 dB |
| Operating environment | Temperature: 10 °C to 32.5 °C |
| | Humidity: 20% to 80% RH |

AC adapter

| | |
|-------------------|--|
| Model | MH3-2053 (100-120V Type) |
| Input | 100-120 V AC, 60 Hz, 0.7 A |
| Output | 15 V DC, 2 A |
| Power consumption | Less than 0.5 W (the AC adapter by itself or with the scanner off) |
| Weight | Approximately 0.3 kg |

| | |
|-------------------|--|
| Model | MH3-2054 (220-240V Type) |
| Input | 200-240 V AC, 50/60 Hz, 0.35 A |
| Output | 15 V DC, 2 A |
| Power consumption | Less than 0.5 W (the AC adapter by itself or with the scanner off) |
| Weight | Approximately 0.3 kg |

| | |
|-------------------|--|
| Model | MG1-3607 (100-240V Type) |
| Input | 100-240 V AC, 50/60 Hz, 0.65-0.34 A |
| Output | 16 V DC, 1.8 A |
| Power consumption | Less than 0.5 W (the AC adapter by itself or with the scanner off) |
| Weight | Approximately 0.3 kg |

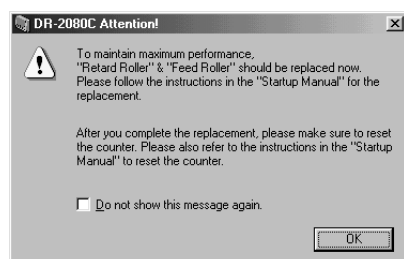
- The functions described above can be used if they are supported by the application software.
- Some functions may not be available, depending on the performance of your PC and your application software.

Due to our ongoing efforts to improve our products, the specifications described above are subject to change without notice.

Consumables

Replacement roller kit This kit is a set of Retard Roller and Feed Roller. When you need the “Roller Replacement Kit,” please contact your dealer.

- If a message for roller replacement is displayed, please purchase the “Roller Replacement Kit” to replace the rollers. (→ P.61 “Feed Roller Replacement”)



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